

Table 7. Comparison of predicted nitrogen loads from the New England SPARROW model with five other nitrogen-load prediction studies for selected major river basins in New England.

[Predictions are for the rivers at the mouth. NOAA, National Oceanic and Atmospheric Administration; HSPF, Hydrologic Simulation Program Fortran; --, no data available]

River basin	Predicted nitrogen load (metric tons per year for entire basins)					
	New England SPARROW	National SPARROW ¹	NOAA ²	Long Island Sound study ³	Connecticut HSPF ⁴	Mullaney ⁵
	Modeled years					
	1992-93	1987	1982	1991-95	1991-95	1988-98
Connecticut	16,215	18,550	--	16,243	13,307	11,051
Merrimack	9,575	4,536	9,165	--	--	--
Kennebec (includes Androscoggin)	7,438	11,027	7,729	--	--	--
Providence	4,549	1,725	--	--	--	--
Penobscot	3,637	1,092	--	--	--	--
Housatonic	3,386	3,849	--	--	--	1,996
Androscoggin	3,181	3,353	2,349	--	--	--
Thames	2,278	2,112	--	--	--	--
Winooski	1,219	2,018	--	--	--	--
Saco	1,710	1,970	1,003	--	--	--
Piscataqua	1,463	824	997	--	--	--
Taunton	1,342	691	--	--	--	--
Charles	723	1,641	--	--	--	--
Presumpscot	666	691	--	--	--	--

¹Smith and others, 1997.

²Percy A. Pacheco, National Oceanic and Atmospheric Administration, written commun., 1994.

³New York Department of Environmental Conservation/Connecticut Department of Environmental Protection, 2000; and Paul Stacey, Connecticut Bureau of Water Management, written commun., 2003.

⁴Paul Stacey, Connecticut Bureau of Water Management, written commun., 2003.

⁵Mullaney and others, 2002. Model predictions are for non-point sources only and do not include point-source discharges from municipal waste-water facilities.